

TRANSMITTAL LETTER				Case No. 8627-183
Serial No. 10/642,518	Filing Date August 15, 2003	Examiner To Be Assigned	Group Art Unit 3731	
Inventor(s) Thomas A. Osborne et al.				
Title of Invention Stent and Method of Forming a Stent with Integral Barbs				

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith are Information Disclosure Statement; PTO-1449; references A73-A102; white postcard evidencing receipt of same.

- Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- Applicant claims small entity status. See 37 CFR 1.27.
- Petition for a month extension of time.
- No additional fee is required.
- The fee has been calculated as shown below:

Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total	Minus		
Indep.	Minus		
First Presentation of Multiple Dep. Claim			

Small Entity		Other Than Small Entity	
Rate	Add'l Fee	Rate	Add'l Fee
x \$9 =		x \$18 =	
x 43 =		x \$86 =	
+ \$145 =		+ \$290 =	
	Total add'l fee \$		Total add'l fee \$

- Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- Check in the amount of \$\_\_ to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

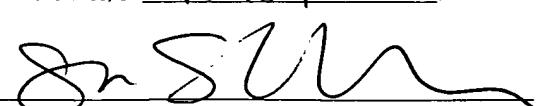
Respectfully submitted,

  
 Samuel E. Shehadeh  
 Registration No. 52,215  
 Attorney for Applicants  
 Customer No. 00757 - Brinks Hofer Gilson Lione

BRINKS HOFER GILSON & LIONE  
 P.O. BOX 10395  
 CHICAGO, ILLINOIS 60610  
 (312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: 3/19/04  
 Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on 3/19/04.

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Date of Deposit

Samuel E. Shehadeh, Reg. No. 52,215

Name of Applicant, Assignee or  
Registered Representative



Signature

MAR 23 2004



Our Case No. 8627-183

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
Thomas A. Osborne et al. )  
Serial No. 10/642,513 ) Group Art Unit 3731  
Filing Date: August 15, 2003 )  
For Stent and Method of Forming a Stent with )  
Integral Barbs )

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record.

The references now cited are the following:

No.	Date	Name
2002/0055772 A1	05/2002	McGuckin, Jr. et al.
4,218,783	08/1980	Reul et al.

4,580,568	04/1986	Gianturco
4,902,508	02/1990	Badylak et al.
4,994,077	02/1991	Dobben
5,035,706	07/1991	Giantureo et al.
5,108,420	04/1992	Marks
5,116,564	05/1992	Jansen et al.
5,123,919	06/1992	Sauter et al.
5,147,389	09/1992	Lane
5,171,259	12/1992	Inoue
5,334,217	08/1994	Das
5,335,341	08/1994	Chana
5,358,518	10/1994	Camilli
5,387,235	02/1995	Chuter
5,451,235	09/1995	Lock et al.
5,480,424	01/1996	Cox
5,500,014	03/1996	Quijano et al.
5,527,355	06/1996	Ahn
5,562,697	10/1996	Christiansen
5,607,465	03/1997	Camilli
5,630,829	05/1997	Lauterjung
5,632,771	05/1997	Boatman et al.
5,643,312	07/1997	Fischell et al.
5,643,317	07/1997	Pavcnik et al.
5,693,084	12/1997	Chuter
5,707,388	01/1998	Lauterjung
5,709,707	01/1998	Lock et al.
5,711,969	01/1998	Patel et al.
5,713,950	02/1998	Cox
5,720,776	02/1998	Chuter et al.
5,733,325	03/1998	Robinson et al.
5,733,337	03/1998	Carr, Jr. et al.
5,746,766	05/1998	Edoga
5,800,456	09/1998	Maeda et al.
5,810,847	09/1998	Laufer et al.
5,824,061	10/1998	Quijano et al.
5,824,063	10/1998	Cox
5,840,081	11/1998	Andersen et al.
5,843,164	12/1998	Frantzen et al.
5,843,167	12/1998	Dwyer et al.
5,855,597	01/1999	Jayaraman
5,855,601	01/1999	Bessler et al.
5,861,003	01/1999	Latson et al.
5,879,382	03/1999	Boneau

5,885,619	03/1999	Patel et al.
5,907,893	06/1999	Zadno-Azizi et al.
5,921,995	07/1999	Kleshinski
5,955,110	09/1999	Patel et al.
5,957,949	09/1999	Leonhardt et al.
5,961,546	10/1999	Robinson et al.
5,968,096	10/1999	Whitson et al.
6,004,347	12/1999	McNamara et al.
6,027,525	02/2000	Suh et al.
6,077,281	06/2000	Das
6,126,686	10/2000	Badylak et al.
6,183,495	02/2001	Lenker et al.
6,200,336	03/2001	Pavcnik et al.
6,214,025	04/2001	Thistle et al.
6,221,102	04/2001	Baker et al.
6,245,102	06/2001	Jayaraman
6,280,467	08/2001	Leonhardt
6,287,334	09/2001	Moll et al.
6,299,637	10/2001	Shaolian et al.
6,322,587	11/2001	Quiachon et al.
6,327,772	12/2001	Zadno-Azizi et al.
6,355,056	03/2002	Pinheiro
6,355,061	03/2002	Quiachon et al.
6,409,752 B1	06/2002	Boatman et al.
6,458,153	10/2002	Bailey et al.
6,464,720 B2	10/2002	Boatman et al.
6,565,597 B1	05/2003	Fearnott et al.
EP 0 221 570 B2	05/1987	EPO
EP 0 480 667 B1	04/1992	EPO
EP 0 497 620 B1	08/1992	EPO
EP 0 539 237 A1	04/1993	EPO
WO 93/13712	07/1993	WIPO
JP 9505788	03/1995	Japan
WO 95/29646	11/1995	WIPO
EP 0 691 108	01/1996	EPO
EP 0 712 614 A1	05/1996	EPO
EP 0 712 614 B1	05/1996	EPO
EP 0 850 607 A1	12/1996	EPO
WO 99/15224	11/1997	WIPO
EP 0 808 614 B1	11/1997	EPO
EP 0 818 184 B1	01/1998	EPO
WO 98/22158	05/1998	WIPO

EP 0 850 607 A1	07/1998	EPO
EP 0 856 300 A1	08/1998	EPO
WO 98/53761	12/1998	WIPO
WO 99/15224	04/1999	WIPO
EP 0 920 842 A1	06/1999	EPO
WO 99/62431	12/1999	WIPO
EP 0 221 570 B2	10/2000	EPO
EP 0 667 133 B1	03/2001	EPO
WO 01/19285 A1	03/2001	WIPO
WO 01/56500 A2	08/2001	WIPO
WO 01/76509 A1	10/2001	WIPO
WO 02/41764 A2	05/2002	WIPO
WO 02/41764 A3	05/2002	WIPO
Flow Through A Venous Valve And Its Implication For Thrombus Formation; Takeshi Karino and Mineo Motomiya; Thrombosis Research 36; pgs. 245-257; 1984.		
Percutaneous Deployment of a Valved Bovine Jugular Vein in the Swine Venous System: A Potential Treatment for Venous Insufficiency; J. Gomez-Jorge, A. Venbrux & C. Magee; JVIR; July-August 2000; pp. 931-936.		
Percutaneous bioprosthetic venous valve: A long-term study in sheep; Dusan Pavcnik, M.D., PhD, et al.; Journal of Vascular Surgery; Volume 35, Number 3, March, 2002; pages 598 – 602.		

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925. A duplicate copy of this document is enclosed.

Applicants respectfully request that the listed documents be made of record in  
the present case.

Respectfully submitted,



Samuel E. Shehadeh  
Registration No. 52,215  
Attorney for Applicants

BRINKS HOFER GILSON & LIONE  
P.O. Box 10395  
Chicago, IL 60610  
(312) 321-4200



FORM PTO-1449 TRADEMARKS/PTO		SERIAL NO. 10/642,513	CASE NO. 8627-183
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)		FILING DATE August 15, 2003	GROUP ART UNIT 3731
APPLICANTS: Thomas A. Osborne et al.			

**REFERENCE DESIGNATION                    U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS/ SUBCLASS	FILING DATE
A1	2002/0055772 A1	05/2002	McGuckin, Jr. et al.		
A2	4,218,783	08/1980	Reul et al.		
A3	4,580,568	04/1986	Gianturco		
A4	4,902,508	02/1990	Badylak et al.		
A5	4,994,077	02/1991	Dobben		
A6	5,035,706	07/1991	Giantureo et al.		
A7	5,108,420	04/1992	Marks		
A8	5,116,564	05/1992	Jansen et al.		
A9	5,123,919	06/1992	Sauter et al.		
A10	5,147,389	09/1992	Lane		
A11	5,171,259	12/1992	Inoue		
A12	5,334,217	08/1994	Das		
A13	5,335,341	08/1994	Chana		
A14	5,358,518	10/1994	Camilli		
A15	5,387,235	02/1995	Chuter		
A16	5,451,235	09/1995	Lock et al.		
A17	5,480,424	01/1996	Cox		
A18	5,500,014	03/1996	Quijano et al.		
A19	5,527,355	06/1996	Ahn		
A20	5,562,697	10/1996	Christiansen		
A21	5,607,465	03/1997	Camilli		
A22	5,630,829	05/1997	Lauterjung		
A23	5,632,771	05/1997	Boatman et al.		
A24	5,643,312	07/1997	Fischell et al.		
A25	5,643,317	07/1997	Pavcnik et al.		
A26	5,693,084	12/1997	Chuter		
A27	5,707,388	01/1998	Lauterjung		
A28	5,709,707	01/1998	Lock et al.		
A29	5,711,969	01/1998	Patel et al.		
A30	5,713,950	02/1998	Cox		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609;  
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	A31 5,720,776	02/1998	Chuter et al.		
	A32 5,733,325	03/1998	Robinson et al.		
	A33 5,733,337	03/1998	Carr, Jr. et al.		
	A34 5,746,766	05/1998	Edoga		
	A35 5,800,456	09/1998	Maeda et al.		
	A36 5,810,847	09/1998	Laufer et al.		
	A37 5,824,061	10/1998	Quijano et al.		
	A38 5,824,063	10/1998	Cox		
	A39 5,840,081	11/1998	Andersen et al.		
	A40 5,843,164	12/1998	Frantzen et al.		
	A41 5,843,167	12/1998	Dwyer et al.		
	A42 5,855,597	01/1999	Jayaraman		
	A43 5,855,601	01/1999	Bessler et al.		
	A44 5,861,003	01/1999	Latson et al.		
	A45 5,879,382	03/1999	Boneau		
	A46 5,885,619	03/1999	Patel et al.		
	A47 5,907,893	06/1999	Zadno-Azizi et al.		
	A48 5,921,995	07/1999	Kleshinski		
	A49 5,955,110	09/1999	Patel et al.		
	A50 5,957,949	09/1999	Leonhardt et al.		
	A51 5,961,546	10/1999	Robinson et al.		
	A52 5,968,096	10/1999	Whitson et al.		
	A53 6,004,347	12/1999	McNamara et al.		
	A54 6,027,525	02/2000	Suh et al.		
	A55 6,077,281	06/2000	Das		
	A56 6,126,686	10/2000	Badylak et al.		
	A57 6,183,495	02/2001	Lenker et al.		
	A58 6,200,336	03/2001	Pavcnik et al.		
	A59 6,214,025	04/2001	Thistle et al.		
	A60 6,221,102	04/2001	Baker et al.		
	A61 6,245,102	06/2001	Jayaraman		

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EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A62	6,280,467	08/2001	Leonhardt		
	A63	6,287,334	09/2001	Moll et al.		
	A64	6,299,637	10/2001	Shaolian et al.		
	A65	6,322,587	11/2001	Quiachon et al.		
	A66	6,327,772	12/2001	Zadno-Azizi et al.		
	A67	6,355,056	03/2002	Pinheiro		
	A68	6,355,061	03/2002	Quiachon et al.		
	A69	6,409,752 B1	06/2002	Boatman et al.		
	A70	6,458,153	10/2002	Bailey et al.		
	A71	6,464,720 B2	10/2002	Boatman et al.		
	A72	6,565,597 B1	05/2003	Fearnott et al.		

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APPLICANTS: Thomas A. Osborne et al.			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A73	EP 0 221 570 B2	05/1987	EPO			
	A74	EP 0 480 667 B1	04/1992	EPO			
	A75	EP 0 497 620 B1	08/1992	EPO			
	A76	EP 0 539 237 A1	04/1993	EPO			
	A77	WO 93/13712	07/1993	WIPO			
	A78	JP 9505788	03/1995	Japan			X
	A79	WO 95/29646	11/1995	WIPO			
	A80	EP 0 691 108	01/1996	EPO			X
	A81	EP 0 712 614 A1	05/1996	EPO			
	A81	EP 0 712 614 B1	05/1996	EPO			
	A82	EP 0 850 607 A1	12/1996	EPO			
	A83	WO 99/15224	11/1997	WIPO			
	A84	EP 0 808 614 B1	11/1997	EPO			
	A85	EP 0 818 184 B1	01/1998	EPO			
	A86	WO 98/22158	05/1998	WIPO			
	A87	EP 0 850 607 A1	07/1998	EPO			
	A88	EP 0 856 300 A1	08/1998	EPO			
	A89	WO 98/53761	12/1998	WIPO			
	A90	WO 99/15224	04/1999	WIPO			
	A91	EP 0 920 842 A1	06/1999	EPO			
	A92	WO 99/62431	12/1999	WIPO			
	A93	EP 0 221 570 B2	10/2000	EPO			
	A94	EP 0 667 133 B1	03/2001	EPO			
	A95	WO 01/19285 A1	03/2001	WIPO			
	A96	WO 01/56500 A2	08/2001	WIPO			
	A97	WO 01/76509 A1	10/2001	WIPO			
	A98	WO 02/41764 A2	05/2002	WIPO			
	A99	WO 02/41764 A3	05/2002	WIPO			

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APPLICANTS: Thomas A. Osborne et al.			

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)	
	A100	Flow Through A Venous Valve And Its Implication For Thrombus Formation; Takeshi Karino and Mineo Motomiya; Thrombosis Research 36; pgs. 245-257; 1984.
	A101	Percutaneous Deployment of a Valved Bovine Jugular Vein in the Swine Venous System: A Potential Treatment for Venous Insufficiency; J. Gomez-Jorge, A. Venbrux & C. Magee; JVIR; July-August 2000; pp. 931-936.
	A102	Percutaneous bioprosthetic venous valve: A long-term study in sheep; Dusan Pavcnik, M.D., PhD, et al.; Journal of Vascular Surgery; Volume 35, Number 3, March, 2002; pages 598 – 602.

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